

**(19) World Intellectual Property
Organization
International Bureau**



(43) International Publication Date
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number
WO 2005/060794 A1

- (51) **International Patent Classification⁷:** **A47C 7/40,** Drive, Ypsilanti, MI 48197 (US). **PEWINSKI, Wendy, M.** [US/US]; 2620 Eardman Court, Westland, MI 48186 (US).

(21) **International Application Number:** PCT/CA2004/002177 (74) **Agents:** **IMAI, Jeffrey, T.** et al.; Magna International Inc. 337 Magna Drive, Aurora, Ontario L4G 7K1 (US).

(22) **International Filing Date:** 22 December 2004 (22.12.2004) (81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) **Filing Language:** English

(26) **Publication Language:** English

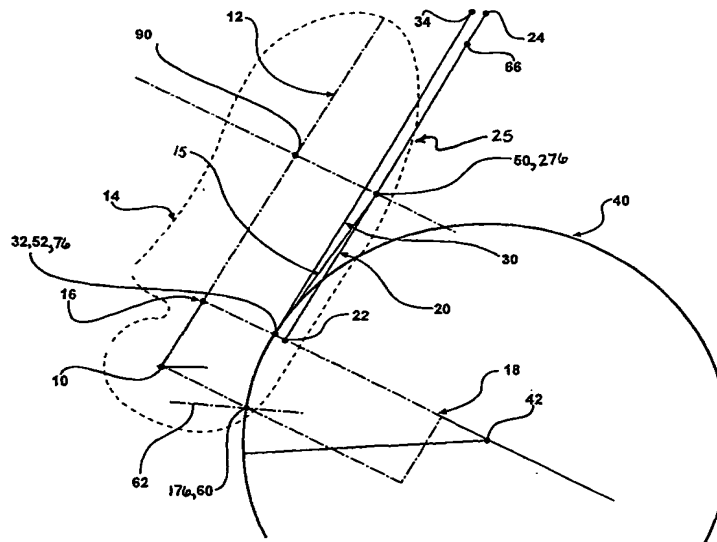
(30) **Priority Data:** 60/532,771 23 December 2003 (23.12.2003) US (71) **Applicant** (*for all designated States except US*): **INTIER AUTOMOTIVE INC.** [CA/CA]; 521 Newpark Boulevard, Newmarket, Ontario L3Y 4X7 (CA).

(72) **Inventors; and**

(75) **Inventors/Applicants** (*for US only*): **MILOSIC, Mari,** C. [US/US]; 1383 Bedford, Grosse Pointe Park, MI 48230 (US). **BECKER, Stephen** [US/US]; 7313 Royal Troon

[Continued on next page]

- (54) Title:** METHOD OF PROVIDING A SEAT BACK INVOLVING THE USE OF A DESIGN MANIKIN



- (57) Abstract:** A method of providing a seat back (17) of a seat assembly including shape defining steps that involve the use of a design manikin (14). A contour of the centerline (15) for the seat back is determined according to a hip point (10), or 'h-point', and a torso line (12) of the manikin. The determination includes definition of a lumbar apex reference point (16) above the hip point along the torso line, a lumbar shape reference circle (40) defined as being behind the torso line and spaced apart therefrom, a forward lumbar prominence line (30) which is parallel to the torso line and tangential to the lumbar shape reference circle, and a rearward lumbar prominence (20) line which is parallel to and rearward of the forward lumbar prominence line.

WO 2005/060794 A1



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.